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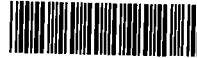
AUG 25 2004

MPCA, MAR Division  
PLR/SS Section

August 11, 2004

Ms. Sonia Vega, On-Scene Coordinator  
United States Environmental Protection Agency  
Emergency Response Branch  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

EPA Region 5 Records Ctr.



356253

Re: Gluek Park Site Assessment and Extent of Contamination Investigation  
Minneapolis, Hennepin County, Minnesota  
Contract No.: 68-W-00-119  
TDD: S05-0107-010  
DCN: 135-2A-ADOC

Dear Ms. Vega:

On August 14, 2003, United States Environmental Protection Agency (U.S. EPA) On-Scene Coordinator (OSC) Sonia Vega, the Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START), and Earth Tech Inc. (Earth Tech) Emergency and Rapid Response Services (ERRS) personnel initiated a site assessment and extent of contamination (EOC) investigation at the Gluek Park Site (hereafter referred to as Household ID [HHID] #322). HHID #322 is located at 1926 Marshall Street NE in Minneapolis, Hennepin County, Minnesota. The site assessment activities were conducted under Technical Direction Document (TDD) S05-0107-010. Analytical laboratory analysis was conducted under TDD S05-0306-008.

The site assessment was conducted from August 14 and 15, 2003 and August 18 through 21, 2003 and consisted of the inspection and sampling of surface soil to verify and quantify the nature of tremolite asbestos contamination. The objective of this site assessment was to gather site-specific information for verifying and expanding upon existing site knowledge and to support the development of removal/remedial action alternatives.

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for verifying and expanding upon existing site knowledge and to support the development of removal/remedial action alternatives.

For this site assessment, the soil sampling methodologies used were in accordance with the procedures set forth within the START Residential Asbestos Remediation Work Plan (WESTON, 2001), the Western Mineral Products Site Phase II Soil Sampling Report (WESTON, 2001), and the Western Mineral Products Site Sampling and Quality Assurance Project Plan (WESTON, 2001). An ERRS crew member certified by the Minnesota Department of Health as an Asbestos Inspector collected the soil samples, and START provided documentation of the sampling activities.

#### **SITE DESCRIPTION**

HHID #322 is located at 1926 Marshall Street NE in Minneapolis, Hennepin County, Minnesota. The geographic coordinates of the site are 45°00'36" N, 93°16'19" W, as shown on the United States Geological Survey (USGS) Minneapolis North 7.5 Minute Series Topographic Quadrangle (Attachment A, Figure 1). The site is bordered to the west by the Mississippi River, to the north and south by commercial properties, and to the east by Marshall Street NE immediately followed by residential properties.

The site is an open-air, public park consisting of an open grassy area along the eastern side of the property and a wooded area along the western side of the property which slopes downward to the Mississippi River. A wooden stairway located along the western side of the property leads down towards the Mississippi River bank. Vehicular access to the site is provided from Marshall Street NE through a paved driveway/parking lot. During the time of the site assessment, access to the site was unrestricted.

During the Western Minerals Products site investigations conducted in September 2000, HHID #322 was referred to the U.S. EPA for cleanup activities because asbestos contamination was identified at the property. On October 12, 2000, Ecology and Environment Inc. (E&E) START personnel collected two soil samples to characterize asbestos concentrations in HHID #322 soil. Both actinolite and tremolite asbestos were detected in these two samples at concentrations of < 1% to 6.7%, respectively. On July 23, 2003, the Minneapolis Park and Recreation Board and the U.S. EPA executed an access agreement. This access agreement allowed U.S. EPA and its representatives to sample, contain, and remove hazardous materials from HHID #322.

#### **2003 SITE ASSESSMENT ACTIVITIES**

On August 14, 2003, WESTON START and Earth Tech ERRS personnel conducted a visual inspection and completed EOC sampling of the area surrounding the stairway leading to the Mississippi River (Attachment A, Figure 2). Visual evidence of asbestos contamination was observed within the area surrounding the stairway along the western side of the site. Therefore, 17 soil samples were collected from the nearby area so that the horizontal extent of contaminated soil could be defined. Soil analytical results indicated the presence of tremolite at concentrations <1% in all 17 soil samples (Attachment B).

On August 15, 2003, Minneapolis Park and Recreation Board personnel provided U.S. EPA with HHID #322 blueprints dated January 10, 1983. These blueprints showed an "Irregular Dump Fill Area" along the southwestern portion of the site. OSC Anita Boseman tasked WESTON START with completing a visual inspection of this suspect area, which was heavily wooded, to determine if asbestos contamination was present in this area. START and ERRS personnel completed this visual inspection on August 15, 2003 and confirmed the presence of asbestos-contaminated soil in this area.

On August 18, 2003, U.S. EPA, START, and ERRS personnel initiated soil sampling activities to determine the nature and extent of contamination through laboratory analysis of environmental media as well as field observations. All soil samples collected were composite samples. Each sample was collected using equal subsamples (five subsamples per composite sample) that were representative of the sampling area. The five subsamples were then homogenized into the composite sample. The samples were hand-delivered under chain-of-custody protocol to EMSL Analytical Laboratory (EMSL) for analysis using the polarized light microscopy (PLM) method (NIOSH Method 9002, Asbestos [bulk] by PLM).

#### **Site Layout/Soil Sample Location Rationale**

A sample grid was created using a 50-foot spacing interval throughout HHID #322. The grid was established across the site using a 300-foot measuring tape, survey flags, and spray paint to mark each grid point. A total of 66 approximately 50-foot-by-50-foot sections were created within the grid.

On August 19 and 20, 2003, START and ERRS personnel initiated a visual inspection within each of the 66 established grid sections. Areas of bare dirt were inspected for the presence of asbestos contamination. If contamination was observed, the approximate contaminant location within the grid was noted, and the specific grid section was eliminated from future sampling activities.

On August 21, 2003 following the completion of the visual inspections, soil sampling activities within the grid sections were conducted. A licensed asbestos inspector collected EOC samples from each of the grid sections no visual evidence of asbestos contamination was found. A total of 21 surface soil samples were collected and submitted to EMSL for analysis using the PLM method.

**SITE ASSESSMENT RESULTS/EXTENT OF CONTAMINATION**

Tremolite asbestos contamination was detected in 10 of the 21 soil samples collected from the grid. Concentrations ranged from <1% to 10% tremolite (Attachment B). These results as well as the results from the August 14, 2003 investigation meet the project-specific U.S. EPA cleanup level, which is set at nondetection of asbestos at contaminated properties (U.S. EPA, 2000). Asbestos contamination was confirmed through visual observations or soil sampling activities in 48 of the 66 grid sections established across HHID #322. A graphic representation of the sampling area is provided in Attachment A, Figure 2.

The areal extent of contamination is estimated to be 120,000 square feet. For the purpose of generating a volume estimate of contaminated soil, a 20% expansion factor was utilized. Based upon excavation activities to depths ranging from 0.5 feet (6 inches) to 1.5 feet (18 inches), the total volume of soil that is contaminated above the action level for asbestos contaminated properties is estimated to be from 2,667 cubic yards (yds<sup>3</sup>) (6-inch excavation) to 8,000 yds<sup>3</sup> (18-inch excavation).

Ms. Sonia Vega  
U.S. EPA

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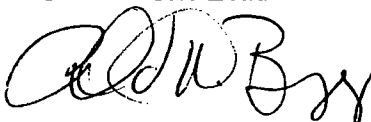
August 11, 2004

Per OSC Vega's request, the preparation of this Letter Report serves as the final deliverable for the site assessment and EOC investigation at the Gluek Park Site. If you have any questions or comments about the site, please contact us at our Chicago office at (312) 424-3300.

Very truly yours,

Weston Solutions, Inc.

  
for James Molholm  
START Site Lead

  
Ronald Bugg  
START Project Manger

cc: Ms. Gail Nabasny, START Project Officer, U.S. EPA, Region V  
Document Control

Attachments

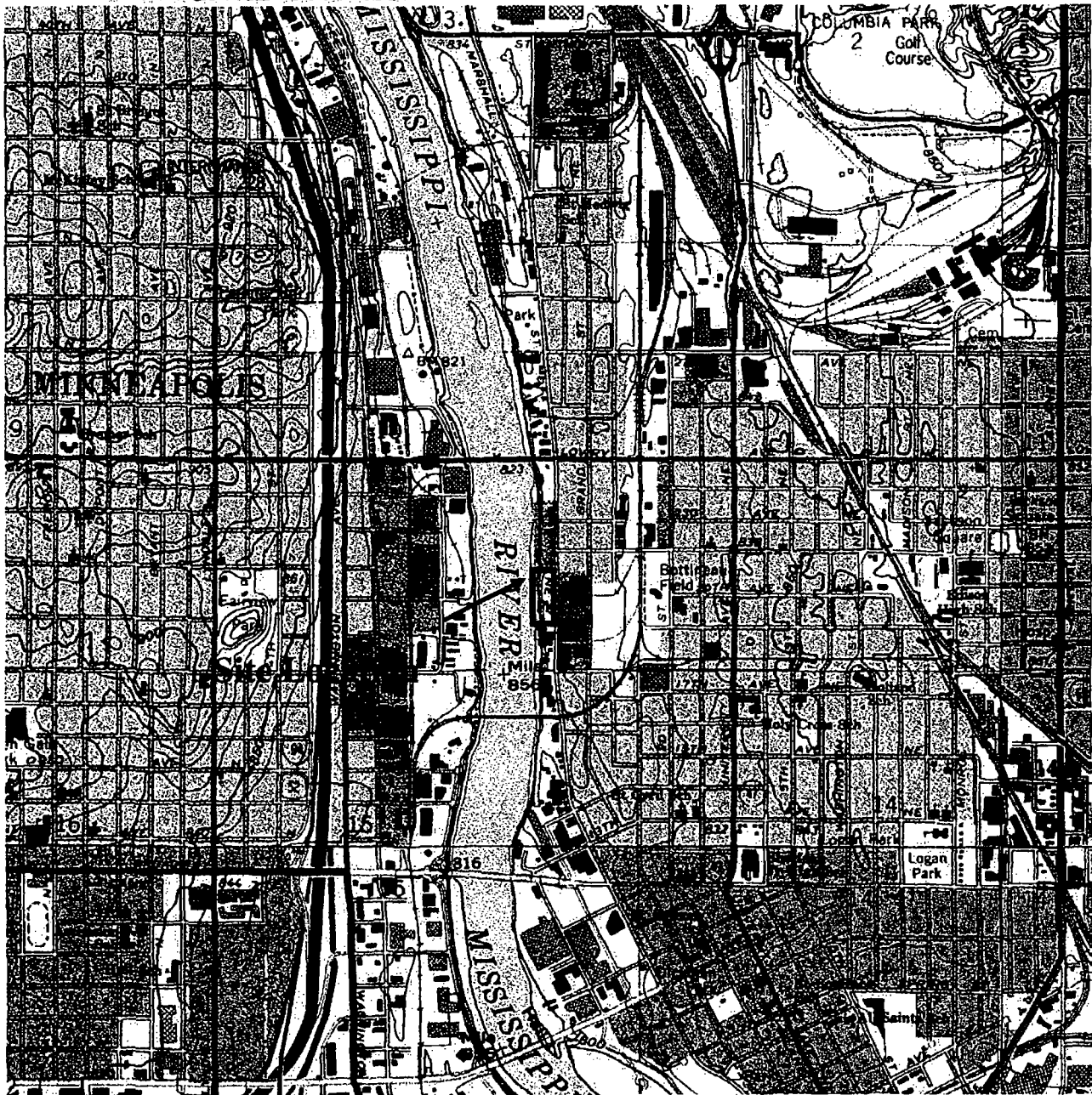
- A Figures
- B Soil Sampling Results
- C References

## **ATTACHMENT A**

### **Figures**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINNEAPOLIS NORTH QUADRANGLE  
MINNESOTA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:24 000

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CONTOUR INTERVAL 10 FEET  
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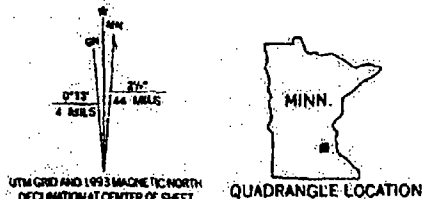
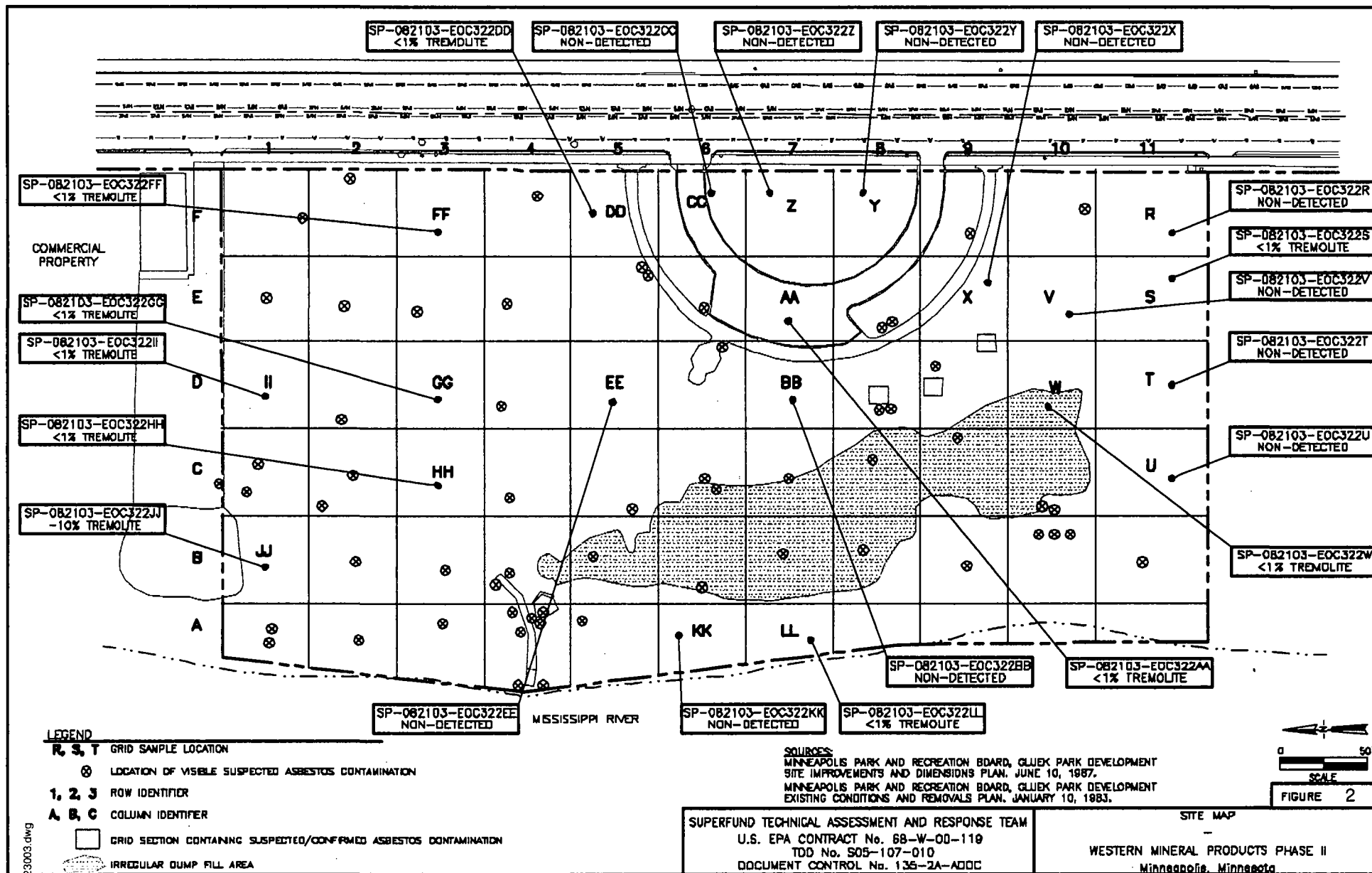


Figure 1

Superfund Technical Assessment and Response Team  
U.S. EPA Contract No. 68-W-00-119  
TDD No. S05-0107-010  
Document Control No. 135-2A-ADKX

TOPOGRAPHICAL SITE LOCATION MAP  
GLUEK PARK SITE - HHID #322  
Minneapolis, Hennepin County, Minnesota





## **ATTACHMENT B**

### **Soil Sampling Results**

# ATTACHMENT B

## SOIL SAMPLING FOR HHID #322, WESTERN MINERAL PRODUCTS - PHASE II, MINNEAPOLIS, MINNESOTA

HHID	Sample ID	Sample Type	% Asbestos	Asbestos Type
322	Total: 40			
	SP-081403-EOC322A	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322B	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322C	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322D	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322E	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322F	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322G	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322H	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322I	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322J	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322K	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322L	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322M	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322N	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322O	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322P	Initial Soil Samples	<1%	Tremolite
	SP-081403-EOC322Q	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322AA	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322BB	Initial Soil Samples		Non-Detected
	SP-082103-EOC322C	Initial Soil Samples		Non-Detected
	SP-082103-EOC322D	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322EE	Initial Soil Samples		Non-Detected
	SP-082103-EOC322FF	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322G	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322H	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322II	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322JJ	Initial Soil Samples	10%	Tremolite
	SP-082103-EOC322KK	Initial Soil Samples		Non-Detected
	SP-082103-EOC322LL	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322R	Initial Soil Samples		Non-Detected
	SP-082103-EOC322S	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322T	Initial Soil Samples		Non-Detected
	SP-082103-EOC322U	Initial Soil Samples		Non-Detected
	SP-082103-EOC322V	Initial Soil Samples		Non-Detected
	SP-082103-EOC322W	Initial Soil Samples	<1%	Tremolite
	SP-082103-EOC322X	Initial Soil Samples		Non-Detected
	SP-082103-EOC322Y	Initial Soil Samples		Non-Detected
	SP-082103-EOC322Z	Initial Soil Samples		Non-Detected
	SP-101200-PRKA(SC)	Initial Soil Samples	6.7%	Actinolite
	SP-101200-PRKB(SC)	Initial Soil Samples	<1%	Actinolite

Total Samples Taken During Phase II:

40

## **ATTACHMENT C**

### **References**

## ATTACHMENT C

### REFERENCES

Roy F. Weston (currently Weston Solutions, Inc), Residential Asbestos Remediation Work Plan for Western Mineral Products Site Minneapolis, Minnesota. Summer 2001.

Roy F. Weston (currently Weston Solutions, Inc), Western Minerals Products Site - Phase II Soil Sampling Report, Environmental Sampling for Asbestos, Evaluation and Confirmation Sampling in Residential Areas for Tremolite-Actinolite Asbestos. 18 January 2001.

Roy F. Weston (currently Weston Solutions, Inc), Western Minerals Products Site - Sampling and Quality Assurance Project Plan. 28 November 2001.

United States Environmental Protection Agency, Action Memorandum - Request for a Time-Critical Removal Action Approval at the Western Mineral Products Site in Minneapolis, Hennepin County, Minnesota (Site ID # B5P2). 21 September 2000.

United States Geological Survey, Minneapolis North Quadrangle, 1993.